

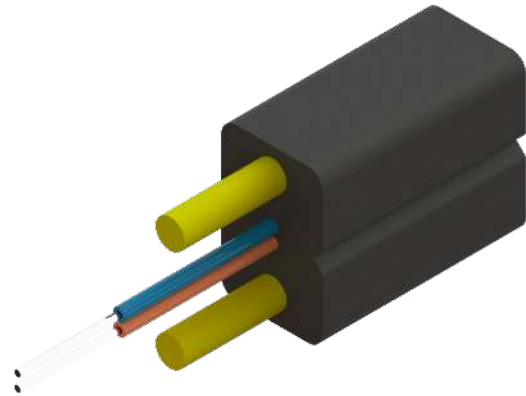
FTTH Drop Cable

FOSPC-002-E-FTTX / 2 Fibers

Applications



Protections



FTTH DROP UV RESISTANT CABLE
02F G652D FIBER MT

Description

Waveoptics® FTTH Drop Cable is an economical, small factor cable, optimal for indoor/outdoor applications and is ideal for short distance external use. The flat design offers easy stripping with no tools, simplifying the installation process. This cable is not CPR compliant.

The optical fibers are positioned in the center of the cable, parallel FRP (Fiber Reinforced Plastic) or KFRP's (Kevlar Fiber Reinforced Plastic) rods located on both sides as reinforcement against crushing and traction forces, protecting the fibers.

LSZH outer jacket offers great flame retardant properties, with low smoke and zero halogen materials, preventing it from being toxic, while providing UV and chemical resistance.

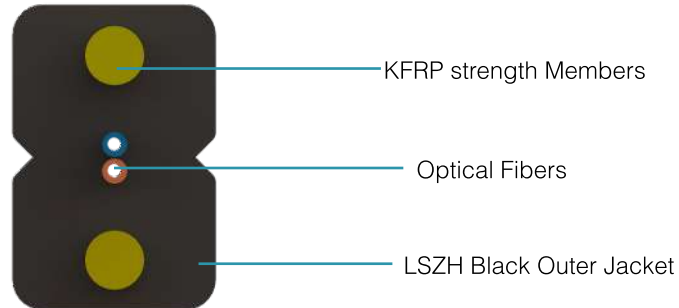
Quality



Waveoptics® is a ISO-9001:2015 certified company.
We meet or exceed the following international standards:

- IEC 60794 - 1 - 2: Test procedure on Fiber Optic cables.

Each Waveoptics® cable meets the highest quality standards in the industry and contains a compliance certificate in which the performed tests in our quality laboratory are physically attached.

Dimensions & Properties



Design	
Fiber Count	2
Fiber Color Code	 
Dielectric Strength Member	KFRP
Outer Jacket Material / Color	LSZH / Black
Drum Length	2 km (±5%)
Temperature Range	
Operation	-20°C to 60°C (-4° F to 140° F)
Installation	-20°C to 60°C (-4° F to 140° F)
Storage / Transport	-20°C to 60°C (-4° F to 140° F)
Mechanical Properties	
Crush Resistance (Short-Term / Long-Term)	1,000 N/100 mm / 500 N/100 mm
Minimum Bend Radius (Operation / Installation)	10 x OD / 20 x OD

Note: Waveoptics® recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Fiber Count	Nominal Outer Diameter (mm) (in) (±5%)	NESC	SPAN (ft) (m)	Tension Strength (Loaded) (N) (lbf)	SAG-Loaded (%)	Cable Weight (kg/km) (lb/kft) (±10%)
2	3 x 2 (0.12 x 0.08)	LIGHT	170 (52)	80 (18)	1.00	7.5 (5)
		MEDIUM	60 (18)		6.50	
		HEAVY	25 (7)		7.60	



WAVEOPTICS TECHNICAL DATA SHEET INDOOR CABLE

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Printed Information on Outer Jacket

=/YEAR/WAVEOPTICS/ = = /FTTX/ = = /FIBER TYPE/ = = /FIBER COUNT/ = = /METERS/M=

- Printed in white and resistant to physical tests on marking
- Marking interval: every 1 meter + 1%

Transmission Performance by Fiber Type

Fiber Type	Single Mode
Waveoptics® Fiber Type	G657.A2
Waveoptics® Fiber Code	E
Wavelength (nm)	1310/1550
Max.attn. (dB/km) (1)	0.36/0.22
Cable Marking Specifications	G657.A2
Notes: (1) Maximum attenuation after cabling process.	

Part Number Configuration

FOSPC-002-E-FTTX

Fiber Count

02 - 2 Fibers

Waveoptics Fiber Type

E - SM G657.A2

Folio EI-091-01-EN
Last Review 3/20/2024